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DEPARTMENT OF COMMERCE
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(March 27, 1926)

RECENT METALLURGICAL PUBLICATIONS FROM THE DIVISION OF METALLURGY

April 23, 1924 - March 27, 1926.

B. S. Pub. No.	Title	Author	Price
	1923		
*S452	Structure of martensitic carbon steels and changes in microstructure on tempering.	H.S.Rawdon S.Epstein	15¢
S463	Preparation and properties of pure iron alloys, II. Magnetic properties of iron alloys	W.L.Cheney	15¢
S464	Preparation and properties of pure iron alloys, III. Effect of Mn on structure of Fe-C alloys.	H.S.Rawdon F.Sillers,Jr.	10¢
	1924		
S484	Preparation and properties of pure iron alloys, IV. Critical ranges of Fe-C alloys by the thermoelectric method.	J.F.T.Berliner	05¢
S483	Investigations on Pt metals, IV. Determination of Ir in Pt alloys.	R. Gilchrist	05¢
S488	Thermal expansion of molybdenum	P.Hidnert, W.B.Gero	10¢
T258	Strength of steel tubing under combined column and transverse loading.	T.W.Greene	15¢
C101	Physical properties of materials, I. Strengths and related properties of metals and woods.	(2d.ed.,revised) S.N.Petrenko	40¢

*Note:-
C = Circular
S = Scientific Paper
T = Technologic Paper
M = Misc. Pub.

Government publications may be obtained at the prices shown, (stamps not accepted) from Superintendent of Documents, Government Printing Office, Washington, D. C.

C297	U. S. Government master specifications for plastic fire-clay refractories		05¢
T263	Tangent modulus and strength of steel columns in tests.	O.H.Basquin	20¢
T260	Tests of some girder hooks.	H.L.Whittemore A.H.Stang	10¢
C 58	Invar and related nickel steels.	(2d ed.,Revised) E.C.Groesbeck	10¢
T275	Design of specimens for short-time fatigue tests.	L.B.Tuckerman C.S.Aitchison	05¢
M 62	Table of Brinell hardness numbers	S.N.Petrenko	05¢
T252	The nick-bend test for wrought iron	H.S.Rawdon, S. Epstein	10¢
T257	Development of a method for measurement of internal stress in brass tubing.	R.J.Anderson, E.G.Fahlman (Work of Bu. Mines)	10¢
C100	Nickel and its alloys.	(2d.ed.,Revised) E.C.Groesbeck	40¢

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T261	Influence of S, O, Cu and Mn on red-shortness of iron.	J.R.Cain (Res.Assoc.)	10¢
T267	Effect of hot-rolling conditions on the physical properties of a carbon steel.	J.R.Freeman,Jr, A.T.Derry.	10¢
S497	Thermal expansion of aluminum and its alloys.	P.Hidnert	15¢
T281	Malleability and metallography of nickel	P.D.Merica, R.G.Waltenberg (Res.Assoc.)	10¢
T285	Release of internal stress in brass tubing.	R.J.Anderson E.G.Fahlman (work of Bu. Mines)	15¢

T288	Comparative cold-rolling tests of open-hearth steel strip (deep drawing stock) and electrolytic iron strip.	J.R.Freeman,Jr. R.D.France	10¢
T289	Impact and slow bending notched bar tests.	S.N.Petrenko	20¢
T295	Initial temperature and mass effects in quenching.	H.J.French, O.Z.Klopsch.	10¢
C214	Medium and light rust preventive compounds.		05¢
T296	Flow in a low-carbon steel at various temperatures.	H. J.French, W.A.Tucker.	10¢
	National Directory of Commodity Specifications (27,000 specifications listed)		$1.25

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S510	Effect of wear on the magnetic properties and tensile strength of steel wire.	R.L.Sanford, W.L.Cheney	05¢
S513	Origin of Quenching Cracks.	H.Scott	20¢
S514	Gases in Metals, II. The determination of oxygen and hydrogen in metals by fusion in vacuum.	L.Jordan, J.R.Eckman.	10¢
S515	Thermal expansion of tungsten	P.Hidnert, W.T.Sweeney	05¢
S517	A special camera for photographing cylindrical surfaces.	R.Davis	10¢
S518	Metallographic etching reagents.	E.C.Groesbeck	25¢
BH-8	Recommended building code requirements for unit working stresses in building materials.	J.M.Gries	10¢

Publications of a General Nature.

C 1	National Bureau of Standards, Its Functions and Activities.	(Revised)	50¢
C296	Research Associates at the Bureau of Standards		10¢
M 46	War Work of the Bureau of Standards		70¢
M 63	Report of Board Visitors to Bureau of Standards of the Department of Commerce for the Secretary of Commerce.		05¢
M 60	Annual Report of the Director of the Bureau of Standards to the Secretary of Commerce for the Fiscal Year Ended June 30,1924		10¢
M 69	Annual Report of the Director of the Bureau of Standards for the Fiscal Year Ended June 30,1925.		05¢

Government Publications in Press.

Sci.Paper, 522	Pure zinc at normal and elevated temperatures.	J.R.Freeman,Jr., F.Sillers,Jr., P.F.Brandt.
Mis.Pub.	Hartman Luder lines	
Tech. Paper	Compressive tests of structural members of the Delaware river bridge.	R.S.Johnston
Tech. Paper	Some Characteristics of Quenching Curves.	H.J.French, O.Z.Klopsch.
Sci. Paper	Melting Point of Palladium 1553°	C.O.Fairchild
Sci. Paper	Non-destructive testing of wire rope.	R.L.Sanford

Simplified Practice Recommendations (Department of Commerce)

Metal lath	R 3	05¢
Forged tools	R 17	"
Steel barrels and drums	R 20	"
Brass lavatory and sink traps	R 21	"
Plow bolts	R 23	"
Steel lockers	R 33	"
Steel reenforcing bars	R 26	"
Sheet steel	R 28	"
Terneplate	R 30	"

Mimeographed Reports

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1st progress report on abnormal steel.	H.S.Rawdon, S.Epstein	May,1924.
2nd progress report on abnormal steel.	H.S.Rawdon S.Epstein	July,1925.

Iron and Steel Scrap Specifications, Metal Utilization Committee, Division of Simplified Practice, Department of Commerce.

Specifications Promulgated by the Federal Specifications Board.

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191	Testing laboratories equipped for mechanical tests of metals and other engineering materials
192	Corrosion resistance of iron and steel
195	Testing laboratories equipped for metallurgical tests

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* Copies of outside publications are not obtainable from the Superintendent of Documents, and Reprints are seldom available from the Bureau. The Journals may be consulted at most technical libraries.

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